RAW SEQUENCE LISTING   DATE: 08/27/2004
PATENT APPLICATION: US/10/773,715   TIME: 09:35:23

Input Set : A:\P5035R1-US Sequence listing.txt
Output Set: N:\CRF4\08272004\J773715.raw

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 7 <110> APPLICANT: GRETCHEN FRANTZ
 8         KENNETH HILLAN
 9         PAUL POLAKIS
10         BENI WOLF
11         THOMAS WU
12         ZEMIN ZHANG
14 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
15         TREATMENT OF TUMOR
17 <130> FILE REFERENCE: P5035R1-US
19 <140> CURRENT APPLICATION NUMBER: US 10/773,715
20 <141> CURRENT FILING DATE: 2004-02-05
22 <150> PRIOR APPLICATION NUMBER: US 60/445,396
23 <151> PRIOR FILING DATE: 2003-02-05
25 <160> NUMBER OF SEQ ID NOS: 6
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 469
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapien
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35  taccctgctg ctcctgctgg ccaccctagc tgtggccctg gcctggagcc 100
37  ccaaggagga ggataggata atcccgggtg gcatctataa cgcagacctc 150
39  aatgatgagt gggtacagcg tgcccttcac ttcgccatca gcgagtataa 200
41  caaggccacc aaagatgact actacagacg tccgctgcgg gtactaagag 250
43  ccaggcaaca gaccgttggg ggggtgaatt acttcttcga cgtagaggtg 300
45  ggccgaacca tatgtaccaa gtcccagccc aacttggaca cctgtgcctt 350
47  ccatgaacag ccagaactgc agaagaaaca gttgtgctct ttcgagatct 400
49· acgaagttcc ctgggagaac agaaggtccc tggtgaattc caggtgtcaa 450
51  gaagcctagg gaagggcga 469
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 694
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapien
58 <400> SEQUENCE: 2
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61  ggccacccag gctgtggccc tggcctggag cccccaggag gaggacagga 100
63  taatcgaggg tggcatctat gatgcagacc tcaatgatga gcgggtacag 150
65  cgtgcccttc actttgtcat cagcgagtat aacaaggcca ctgaagatga 200
67  gtactacaga cgcctgctgc gggtgctacg agccagggag cagatcgtgg 250
69  gcgggggtgaa ttacttcttc gacatagagg tgggccgaac catatgtacc 300
71  aagtcccagc ccaacttgga cacctgtgcc ttccatgaac agccagaact 350
73  gcagaagaaa cagttgtgct ctttccagat ctacgaagtt ccctgggagg 400
75  acagaatgtc cctggtgaat tccaggtgtc aagaagccta gggatctgtg 450
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77   ccagggagtc acactgacca cctcctactc ccaccccttg tagtgctccc 500
79   acccctggac tggtggcccc caccctgtgg gaggtctccc catgcacctg 550
81   cagcaggaga agacagagaa ggctgcagga ggcctttgtt gctcagcagg 600
83   ggactctgcc ctccctcctt ccttttgctt ctcatagccc tggtacatgg 650
85   tacacacacc cccacctcct gcaattaaac agtagcatca cctc 694
87   <210> SEQ ID NO: 3
88   <211> LENGTH: 1658
89   <212> TYPE: DNA
90   <213> ORGANISM: Homo sapien
92   <400> SEQUENCE: 3
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95   ttccccagcc atggcttccc tggggcagat cctcttctgg agcataatta 100
97   gcatcatcat tattctggct ggagcaattg cactcatcat tggctttggt 150
99   atttcaggga gacactccat cacagtcact actgtcgcct cagctgggaa 200
101 cattggggag gatggaatcc tgagctgcac ttttgaacct gacatcaaac 250
103 tttctgatat cgtgatacaa tggctgaagg aaggtgtttt aggcttggtc 300
105 catgagttca aagaaggcaa agatgagctg tcggagcagg atgaaatgtt 350
107 cagaggccgg acagcagtgt ttgctgatca agtgatagtt ggcaatgcct 400
109 ctttgcggct gaaaaacgtg caactcacag atgctggcac ctacaaatgt 450
111 tatatcatca cttctaaagg caaggggaat gctaaccttg agtataaaac 500
113 tggagccttc agcatgccgg aagtgaatgt ggactataat gccagctcag 550
115 agaccttgcg gtgtgaggct ccccgatggt tcccccagcc cacagtggtc 600
117 tgggcatccc aagttgacca gggagccaac ttctcggaag tctccaatac 650
119 cagctttgag ctgaactctg agaatgtgac catgaaggtt gtgtctgtgc 700
121 tctacaatgt tacgatcaac aacacatact cctgtatgat tgaaaatgac 750
123 attgccaaag caacagggga tatcaaagtg acagaatcgg agatcaaaag 800
125 gcggagtcac ctacagctgc taaactcaaa ggcttctctg tgtgtctctt 850
127 ctttctttgc catcagctgg gcacttctgc ctctcagccc ttacctgatg 900
129 ctaaaataat gtgccttggc cacaaaaaag catgcaaagt cattgttaca 950
131 acagggatct acagaactat ttcaccacca gatatgacct agttttatat 1000
133 ttctgggagg aaatgaattc atatctagaa gtctggagtg agcaaacaag 1050
135 agcaagaaac aaaaagaagc caaaagcaga aggctccaat atgaacaaga 1100
137 taaatctatc ttcaaagaca tattagaagt tgggaaaata attcatgtga 1150
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141 gcatccccag atctcaggga cctccccctg cctgtcacct ggggagtgag 1250
143 aggacaggat agtgcatgtt ctttgtctct gaattttttag ttatatgtgc 1300
145 tgtaatgttg ctctgaggaa gcccctggaa agtctatccc aacatatcca 1350
147 catcttatat tccacaaatt aagctgtagt atgtacccta agacgctgct 1400
149 aattgactgc cacttcgcaa ctcaggggcg gctgcatttt agtaatgggt 1450
151 caaatgattc acttttttatg atgcttccaa aggtgccttg gcttctcttc 1500
153 ccaactgaca aatgccaaag ttgagaaaaa tgatcataat tttagcataa 1550
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157 ttaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1650
159 aaaaaaaa 1658
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162 <211> LENGTH: 141
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapien
166 <400> SEQUENCE: 4

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170  Ala Val Ala Leu Ala Trp Ser Pro Lys Glu Glu Asp Arg Ile Ile
171                  20                  25                  30
173  Pro Gly Gly Ile Tyr Asn Ala Asp Leu Asn Asp Glu Trp Val Gln
174                  35                  40                  45
176  Arg Ala Leu His Phe Ala Ile Ser Glu Tyr Asn Lys Ala Thr Lys
177                  50                  55                  60
179  Asp Asp Tyr Tyr Arg Arg Pro Leu Arg Val Leu Arg Ala Arg Gln
180                  65                  70                  75
182  Gln Thr Val Gly Gly Val Asn Tyr Phe Phe Asp Val Glu Val Gly
183                  80                  85                  90
185  Arg Thr Ile Cys Thr Lys Ser Gln Pro Asn Leu Asp Thr Cys Ala
186                  95                 100                 105
188  Phe His Glu Gln Pro Glu Leu Gln Lys Lys Gln Leu Cys Ser Phe
189                 110                 115                 120
191  Glu Ile Tyr Glu Val Pro Trp Glu Asn Arg Arg Ser Leu Val Asn
192                 125                 130                 135
194  Ser Arg Cys Gln Glu Ala
195                 140
197  <210> SEQ ID NO: 5
198  <211> LENGTH: 141
199  <212> TYPE: PRT
200  <213> ORGANISM: Homo sapien
202  <400> SEQUENCE: 5
203  Met Ala Trp Pro Leu Cys Thr Leu Leu Leu Leu Leu Ala Thr Gln
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206  Ala Val Ala Leu Ala Trp Ser Pro Gln Glu Glu Asp Arg Ile Ile
207                  20                  25                  30
209  Glu Gly Gly Ile Tyr Asp Ala Asp Leu Asn Asp Glu Arg Val Gln
210                  35                  40                  45
212  Arg Ala Leu His Phe Val Ile Ser Glu Tyr Asn Lys Ala Thr Glu
213                  50                  55                  60
215  Asp Glu Tyr Tyr Arg Arg Leu Leu Arg Val Leu Arg Ala Arg Glu
216                  65                  70                  75
218  Gln Ile Val Gly Gly Val Asn Tyr Phe Phe Asp Ile Glu Val Gly
219                  80                  85                  90
221  Arg Thr Ile Cys Thr Lys Ser Gln Pro Asn Leu Asp Thr Cys Ala
222                  95                 100                 105
224  Phe His Glu Gln Pro Glu Leu Gln Lys Lys Gln Leu Cys Ser Phe
225                 110                 115                 120
227  Gln Ile Tyr Glu Val Pro Trp Glu Asp Arg Met Ser Leu Val Asn
228                 125                 130                 135
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234  <211> LENGTH: 282
235  <212> TYPE: PRT
236  <213> ORGANISM: Homo sapien
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240   1               5                  10                  15
242  Ile Ile Ile Leu Ala Gly Ala Ile Ala Leu Ile Ile Gly Phe Gly
243                  20                  25                  30
245  Ile Ser Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala
246                  35                  40                  45
248  Gly Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro
249                  50                  55                  60
251  Asp Ile Lys Leu Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly
252                  65                  70                  75
254  Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu
255                  80                  85                  90
257  Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe Ala
258                  95                 100                 105
260  Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu Lys Asn Val
261                 110                 115                 120
263  Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile Thr Ser
264                 125                 130                 135
266  Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe
267                 140                 145                 150
269  Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr
270                 155                 160                 165
272  Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val
273                 170                 175                 180
275  Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser
276                 185                 190                 195
278  Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val
279                 200                 205                 210
281  Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys
282                 215                 220                 225
284  Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val
285                 230                 235                 240
287  Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn
288                 245                 250                 255
290  Ser Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp
291                 260                 265                 270
293  Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
294                 275                 280
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/773,715**

DATE: 08/27/2004
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Input Set : **A:\P5035R1-US Sequence listing.txt**
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